

RAPID ROCK



Premium Fast Setting Hybrid Gypsum Cement Based Anchoring Cement

DESCRIPTION

RAPID ROCK Anchoring Cement is used in the anchoring of heavy machinery, railings, guard rails, banisters, repairing of cracks on damaged concrete substrate. It is a non-shrink, hydraulic, controlled expansion cement in a ready to use preparation. Water is added at the job site to provide a pourable, durable anchoring or patching compound. RAPID ROCK Anchoring Cement has almost unlimited field applications.

FEATURES/BENEFITS

- No rodding, chaining or vibrating
- Pourable
- Ideal for patching floors, walls, cracks in concrete structures, caulking foundations/wall voids
- No Alkalinity - Will not rust or corrode iron, steel or aluminum
- No heating or two component mixing needed
- Quick Setting - Sets in 5-10 minutes
- Expands as it sets
- Stronger than concrete in 1 hour
- Meets ASTM C-1107

APPLICATION

Substrate Preparation: The concrete must be at least 28 days old and fully cured. The hole must be free of particles and debris. Water-scrub sides and bottom with stiff scrub brush. Remove excess water. The hole must be clean and uniformly damp. Always use the appropriate flat washer for the size bolt you are anchoring. Place bolt in hole with head down and washer resting on the head.

Mixing and Interior Applications: Add a 1/2 quart (16 oz.) of clean potable water to every 5 pounds of RAPID ROCK and mix to a smooth, flowable consistency. If mixing smaller amounts by hand mix 3.2 oz. water for every 1 pound of RAPID ROCK. Once the mix is lump free, pour the material around the bolt or anchor. Fill the material slightly above substrate level. **DO NOT LEAVE THE RAPID ROCK SET WHERE WATER CAN PUDDLE AROUND THE BOLT OR ANCHOR.** For applications that require a more plastic-like consistency, reduce the amount of water slightly until the desired consistency is achieved.

Exterior Applications: When using Rapid Rock for exterior applications where excessive standing water is present, SpecChem recommends the use of SpecRock. In cases where aluminum railings are being installed, SpecChem HIGHLY recommends the use of regular Rapid Rock® for all environmental conditions; however one of the two following options **MUST** be used in standing water environments to protect the product from standing water. **OPTION 1:** Once RAPID ROCK is set (15 minutes) mix and additional amount of RAPID ROCK with slightly less water and cone the top surface around the

APPLICATION CONT.

anchor. This will prevent water from settling on the surface and possibly damaging the installation. **OPTION 2:** Fill the hole with RAPID ROCK® flush to the top of the concrete. 7 days after installation seal with any sealer rated for exterior use.

FAILURE TO PROPERLY MITIGATE STANDING WATER FROM RAPID ROCK WILL RESULT IN POSSIBLE PRODUCT FAILURE.

Color: Off White

Approximate Coverage: 50 lbs. of RAPID ROCK will cover .5 cubic feet

Weight: 110 lbs. per cubic foot

Application Temperature Range: 35° - 95°F

Set: ASTM C-191 (70°F—50% RH)

Volatile Organic Compounds: 0 g/l

TYPICAL TEST DATA

| Compressive Strength (ASTM C 109) | | |
|--|-----------|----------|
| 1-hour after set | 5000 psi | 34.5 MPa |
| 1 day | 5200 psi | 35.9 MPa |
| 7 days | 6,800 psi | 46.9 MPa |
| 28 days | 9000 psi | 62.0 MPa |
| Expansion (ASTM C 157) moist cure = .15% | | |

ANCHORING GUIDELINES

The following table specifies the recommended opening to be drilled so that the strength of the anchor will approximate the tensile strength of the steel bolt or cause concrete failure

| Suggested Cement Grout Anchoring Parameters | | |
|---|---------------------|----------------------------|
| Diameter of Bolt/ Anchor | Diameter of Opening | Minimum Depth of Anchor |
| 1/4" | 3/4" | 2" |
| 1/2" | 1 1/2" | 4" |
| 3/4" | 1 3/4" | 6" |
| 1" | 2" | 8" |



1511 Baltimore Ave, Suite 600
 Kansas City, MO 64108
www.specchem.com 866.791.8700

LIMITATIONS/PRECAUTIONS

1. **DO NOT USE RAPID ROCK TO ANCHOR BALCONY RAILINGS OR OTHER LIFE SUPPORTING STRUCTURES.**
2. **DO NOT OVER-WATER RAPID ROCK.** Over-watering can inhibit long term strength and durability.
3. **RAPID ROCK** should be poured slightly above substrate level. Leaving a depression would allow water to settle in the application and weaken its integrity over time.
4. The hole to accept the bolt or anchor should not be drilled within 4" of the corner or the edge of the concrete substrate.
5. **DO NOT INSTALL RAPID ROCK** where the application temperature has been below 32 degrees during the 24 hours before installation or will fall below 32 degrees during the 24 hours after installation.
6. If a smooth surface is desired a flat trowel can be used when **RAPID ROCK** begins to stiffen.

PACKAGING

50 lb. 25 lb. 10 lb. and 5 lb. units

SHELF LIFE

12 months—Rotate Stock

STORAGE

Store in cool dry place. Tightly seal package and do not expose to sun.

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. **NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.**

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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